

Ali Ismail

ESDF14

### Lab 1 Questions

1. The generated listing file shows the machine code for each instruction. I simply counted the total number of bytes in each line to get the total number of bytes of the entire program. For example, my listing file contains the following:

```
0000  74    0C    3    MOV A,#0ch
0002  75    F0 05  4    MOV B,#05h
```

The third column contains the machine code for the instruction. For MOV A,#0ch, the machine code is 0C, which is only a single byte. For MOV B,#05h, the machine code is F0 05, which is two bytes. By counting up the bytes, I was able to determine the total number of bytes was 77.

2. See .lst file